

Title (en)

BIOMOLECULE ANALYSIS BY FLUORESCENCE INTERMITTENCE SIGNAL RECOGNITION

Title (de)

BIOMOLEKÜLANALYSE MITTELS ERKENNUNG VON FLUORESCENZINTERMITTÄTSSIGNALEN

Title (fr)

ANALYSE BIOMOLECULAIRE PAR RECONNAISSANCE DE SIGNAL D'INTERMITE DE FLUORESCENCE

Publication

EP 4379383 A1 20240605 (EN)

Application

EP 22210671 A 20221130

Priority

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Abstract (en)

The invention relates to a method for identifying a variant of a biomolecule among a plurality of variants of the biomolecule by these steps: A) Acquiring a fluorescence intermittence signal pattern for each variant. Each of the variants is labelled with a blinking fluorophore. B) Determining a fluorescence intermittence signal characteristic for each variant. C) Labelling at least one variant of the biomolecule in a sample with the fluorophore, and acquiring its fluorescence intermittence signal. D) Determining a presence of at least one fluorescence intermittence signal characteristic as determined in step B) in the acquired fluorescence intermittence signals from the sample. E) Establishing the presence, the quantity and/or localisation, of at least one variant of the biomolecule in the sample based on the fluorescence intermittence signal characteristic.

IPC 8 full level

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CPC (source: EP)

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